

# Senate Energy & Technology PA 295 Review on Renewable Energy

JIM WEEKS, EXECUTIVE DIRECTOR  
MICHIGAN MUNICIPAL ELECTRIC  
ASSOCIATION  
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# PA 295 Renewables

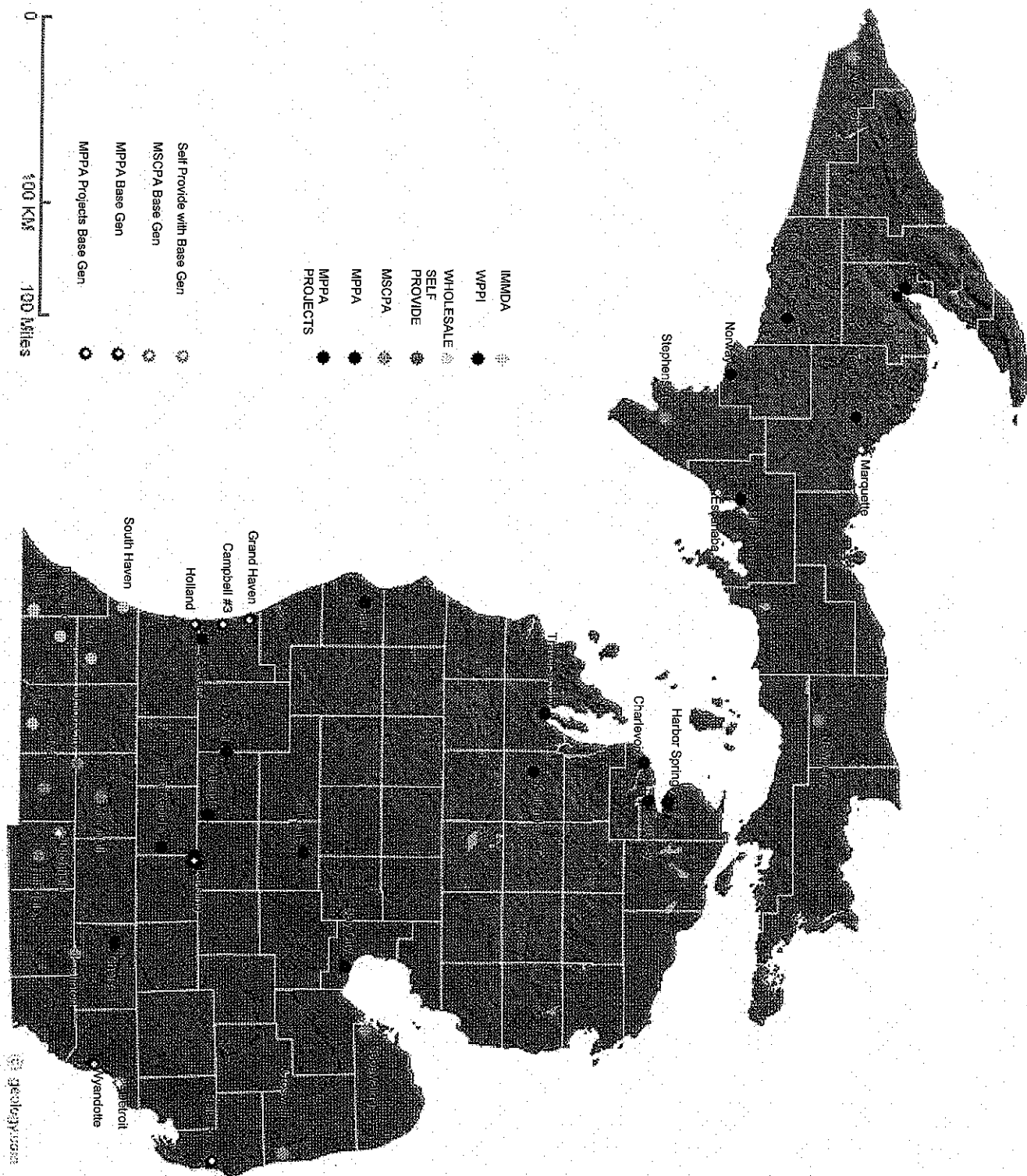
- Overview
  - State set mandate applicable to all retail service utilities
  - 10% renewable energy included in supply by 2015
  - Bi-annual review of REP Plans

# PA 295 Renewables

- Renewable energy asset must be located in Michigan, with limited exceptions to recognize existing power supply contracts [Sec. 29. (2e,f)].
  - Exceptions for municipals that had contracts in place on effective date
  - Limited exceptions for municipal and cooperatives with all-requirements contracts with out-of state suppliers (IMMDA, WPP1)

# PA 295 Renewables

- Each electric provider shall meet the renewable energy credit standards with renewable energy credits obtained by:
  - (a) Generating electricity from renewable energy systems for sale to retail customers.
  - (b) Purchasing or otherwise acquiring renewable energy credits with or without the associated renewable energy.



name	Total Consumers (N)	2009 Total Sales (MWh)	2015 Total Projected Sales (MWh)	2015 PA 295.10% Goal	2015 Net RECS Incentive/Banked Purchases/Generated
Baraga Village of	844	17,975	20,199	2,020	2,020
Bay City City of	20,233	311,219	328,834	32,883	32,883
Charlevoix City of	4,398	59,715	61,362	6,136	6,136
Chelsea Village of	2,605	87,438	91,234	9,123	9,123
Clinton Village of	1,404	20,978	23,030	2,303	2,303
Coldwater Board of Public Util	6,832	267,874	358,759	35,876	35,876
Croswell City of	1,305	36,650	37,171	3,717	3,717
Crystal Falls City of	1,599	16,342	16,015	1,602	5,518
Daggett Village of	164	1,412	1,421	142	142
Detroit City of	195	501,644	502,051	50,205	50,205
Dowagiac City of	3,068	57,939	71,114	7,111	7,111
Eaton Rapids City of	2,728	75,712	328,687	32,869	15,312
Escanaba City of	7,253	136,246	145,873	14,587	14,587
Gladstone City of	2,950	31,753	32,356	3,236	3,236
Grand Haven City of	13,383	258,407	276,856	27,686	27,686
Harbor Springs City of	3,610	36,311	36,638	3,664	3,664
Hart Hydro City of	1,318	34,660	43,300	4,330	4,330
Hillsdale Board of Public Wks	6,317	120,697	121,342	12,134	12,134
Holland City of	27,464	916,726	1,084,539	108,454	108,454
L'Anse Village of	1,220	13,474	13,559	1,356	1,356

name	Total Consumers (N)	2009 Total Sales (MWh)	2015 Total Projected Sales (MWh)	2015 PA 295.10% Goal	2015 Net RECS Incentive/Banked Purchases/Generated
Lansing City of	96,202	2,162,938	2,280,914	228,091	226,222
Lowell City of	2,640	59,614	68,494	6,849	6,849
Marquette City of	15,789	313,839	307,338	30,734	30,734
Marshall City of	4,570	103,128	107,951	10,795	10,795
Negaunee City of	2,258	21,803	22,399	2,240	2,240
Newberry Water & Light Board	1,482	19,530	19,789	1,979	1,979
Niles City of	7,331	128,166	130,660	13,066	13,066
Norway City of	2,252	29,626	28,934	2,893	22,058
Paw Paw Village of	1,979	40,915	40,914	4,091	4,091
Petoskey City of	5,439	106,256	109,872	10,987	10,987
Portland City of	2,476	35,080	36,226	3,623	3,623
Sebewaing City of	1,189	40,869	38,500	3,850	3,850
South Haven City of	9,426	128,032	135,917	13,592	13,592
St Louis City of	1,938	37,229	37,520	3,752	3,752
Stephenson City of	483	7,135	7,135	714	714
Sturgis City of	7,040	218,250	227,807	22,781	22,781
Traverse City City of	12,055	314,881	331,789	33,179	33,179
Union City Village of	1,420	14,231	15,498	1,550	1,550
Wakefield City of	1,208	14,031			
Wyandotte Municipal Serv Comm	12,418	263,481	289,701	28,970	28,970
Zeeland City of	5,935	286,998	316,299	31,630	31,630
Totals	304,420	7,349,204	8,147,997	814,799	818,454

<b>MMEA Member</b>	<b>RENEWABLES</b>
Village of Baraga	wind, hydro, biomass, landfill gas
City of Crystal Falls	wind, hydro, biomass, landfill gas
City of Gladstone Electrical Dept	wind, hydro, biomass, landfill gas
Village of L'Anse	wind, hydro, biomass, landfill gas
City of Negaunee Electric Dept	wind, hydro, biomass, landfill gas
City of Norway Electric Dept	wind, hydro, biomass, landfill gas
Bay City Electric Light & Power	landfill gas
City of Charlevoix	landfill gas
Chelsea Electric Department	landfill gas
City of Eaton Rapids	landfill gas
Grand Haven BLP	landfill gas
Harbor Springs Municipal Utility	landfill gas
City of Hart Hydro Electric	landfill gas
Holland BPV	landfill gas
Lansing BW&L	landfill gas, solar, hydro, wind & biomass (future),
Lowell Light and Power	landfill gas
City of Petoskey	landfill gas
Portland Light and Power Board	landfill gas, hydro
City of St. Louis	landfill gas, hydro
Traverse City Light & Power	landfill gas
Wyandotte Municipal Services	landfill gas, wind
Zeeland Board of Public Works	landfill gas

<b>MMEA Member</b>	<b>RENEWABLES</b>
Village of Clinton	hydro
Coldwater BPU	hydro
Hillsdale BPU	hydro
City of Marshall Electric Dept	hydro
Union City	hydro
Dowagiac DPS	l&M (wind, hydro)
Niles Utilities Department	l&M (wind, hydro)
Village of Paw Paw	l&M (wind, hydro)
South Haven DPW	l&M (wind, hydro)
City of Sturgis	l&M (wind, hydro)
Croswell Light & Power Dept	DE
Detroit Public Lighting Dept	DE
Newberry Water & Light Board	hydro
Sebewaing Light & Water Dept	DE
City of Stephenson	WPS
City of Wakefield	wind
Escazaba Electric Department	biomass
Marquette BLP	hydro, biomass